interna

PCT/ML 03/00489

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B05B11/00 B65D47/34 B65D81/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - B05B - B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

Calegory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
χ	US 5 351 862 A (WEAG ERNST) 4 October 1994 (1994-10-04)	1,3,21
Y	column 7, line 41 - line 68; figures 8-11	2,4-8, 12,13, 16,17, 19, 21-23, 25,26
X	US 5 224 627 A (WEAG ERNST) 6 July 1993 (1993-07-06)	1,3,21, 27-33, 37,38, 42-47, 50,51
	column 4, line 57 - line 68 column 5, line 64 - column 6, line 24; figures	33,31

Further documents are listed in the continuation of box C	X ³¹¹ Patent family members are listed in annex.			
*Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 			
Date of the actual completion of the international search	Date of mailing of the international search report			
22 October 2003	28/10/2003			
Name and mailing address of the ISA European Palent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Aulhorized officer Brévier, F.			
Fax: (+31-70) 340-3016	Di evici , 1 .			



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		PC1/WL 03/00469
C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		43-46,
X	US 4 875 604 A (CZECH JOACHIM) 24 October 1989 (1989-10-24) column 4, line 7 - column 8, line 50; figures	48-51
Х	US 3 194 447 A (BROWN FRANK E) 13 July 1965 (1965-07-13) column 5, line 32 - line 51; figures	43-47, 50,51
X	US 4 212 332 A (KUTIK LOUIS F ET AL) 15 July 1980 (1980-07-15) column 9, line 21 - line 27; figures	43-46
Y	NL 1 004 332 C (PARK TOWERS INT BV) 10 December 1997 (1997-12-10) page 9, line 5 - page 10, line 2; figures 4,5	4,12,13, 16,17,19
Y	US 5 237 797 A (VARLET JEAN-PIERRE) 24 August 1993 (1993-08-24) column 13, line 29 - column 14, line 21; figures 21-23	2,21-23, 25,26
Υ	WO 99 25627 A (HEIJDEN EDGAR IVO MARIA V D; COSMOCAIR C V (NL)) 27 May 1999 (1999-05-27) page 4, line 13 - line 27	5–8
A	EP 0 499 538 A (AEROSOLS & BOUCHAGE) 19 August 1992 (1992-08-19) column 3, line 32 - line 41; figures	2,21-23, 26
A	WO 93 04940 A (SMITHKLINE BEECHAM PLC) 18 March 1993 (1993-03-18) cited in the application the whole document	1,4,27



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Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3	. As only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remari	k on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International Application No. PCT/NL 03 \00489

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-26

Dispensing unit for dispensing two fluid substances, comprising:

- a pump assembly baxing a first pump and a second pump, which can be actuated by common, manually operable operating means so that they simultaneously dispense the two fluid substances, and a reservoir assembly for holding the two fluid substances, the reservoir assembly comprising two reservoirs, which are each provided with an outlet at an outlet side and are each delimited by a movable piston on the side remote from the outlet, which pistons move towards the respective outlets during the dispensing of the fluid substances, characterized in that the reservoir assembly and the pump assembly are separate assemblies which can be coupled to one another, in such a manner that in the uncoupled state each reservoir can be filled through the outlet of the reservoir, after which the pump assembly and the reservoir assembly are coupled to one another

as well as

Method for assembling and filling a reservoir assembly of such a dispensing unit

2. claims: 27-51

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Dispensing unit for dispensing a first and a second fluid substance in a defined volumetric ratio, comprising:

— a first and a second reservoir for a stock of the first and second fluid substances, respectively,

- a pump assembly, which comprises a first and a second pump which each have a pump chamber with a defined operative volume, and a common, manually operable operating member for actuating the first and second pumps, characterized in that the pump assembly comprises one or more exchangeable pump elements which form at least part of the first and/or second pump, so that the operative volume of the pump chamber of the first and/or second pump can be adjusted by selection of one or more suitable exchangeable pump elements and fitting of these elements in the pump assembly

as well as

Dispensing unit for dispensing one fluid substance, comprising:

- at least one reservoir for a stock of fluid substance,
- a pump assembly having at least one pump which has a pump chamber with a defined operative volume, and an easy-to-operate operating means for actuating the at least one pump, characterized in that the pump assembly comprises one or more exchangeable pump elements which form at least a section of the pump, so that the operative volume of the pump chamber of the pump can be adapted by selecting one or more suitable exchangeable pump elements and by fitting them in the pump assembly.



Intern: Application No
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